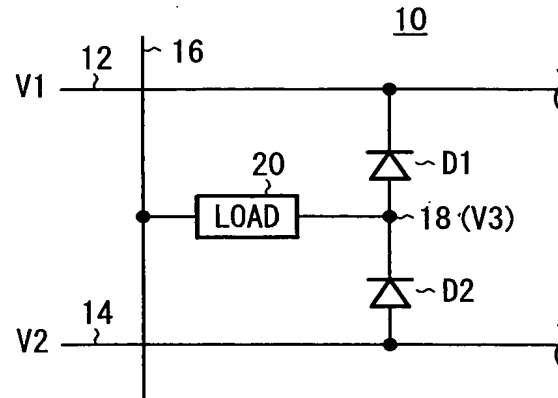


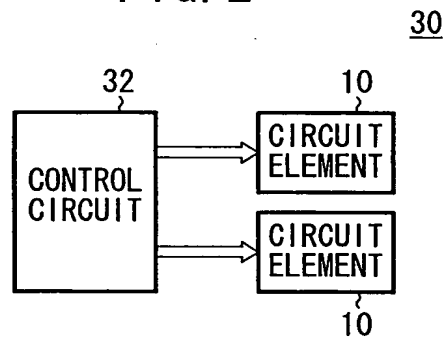
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FIG. 1



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FIG. 2

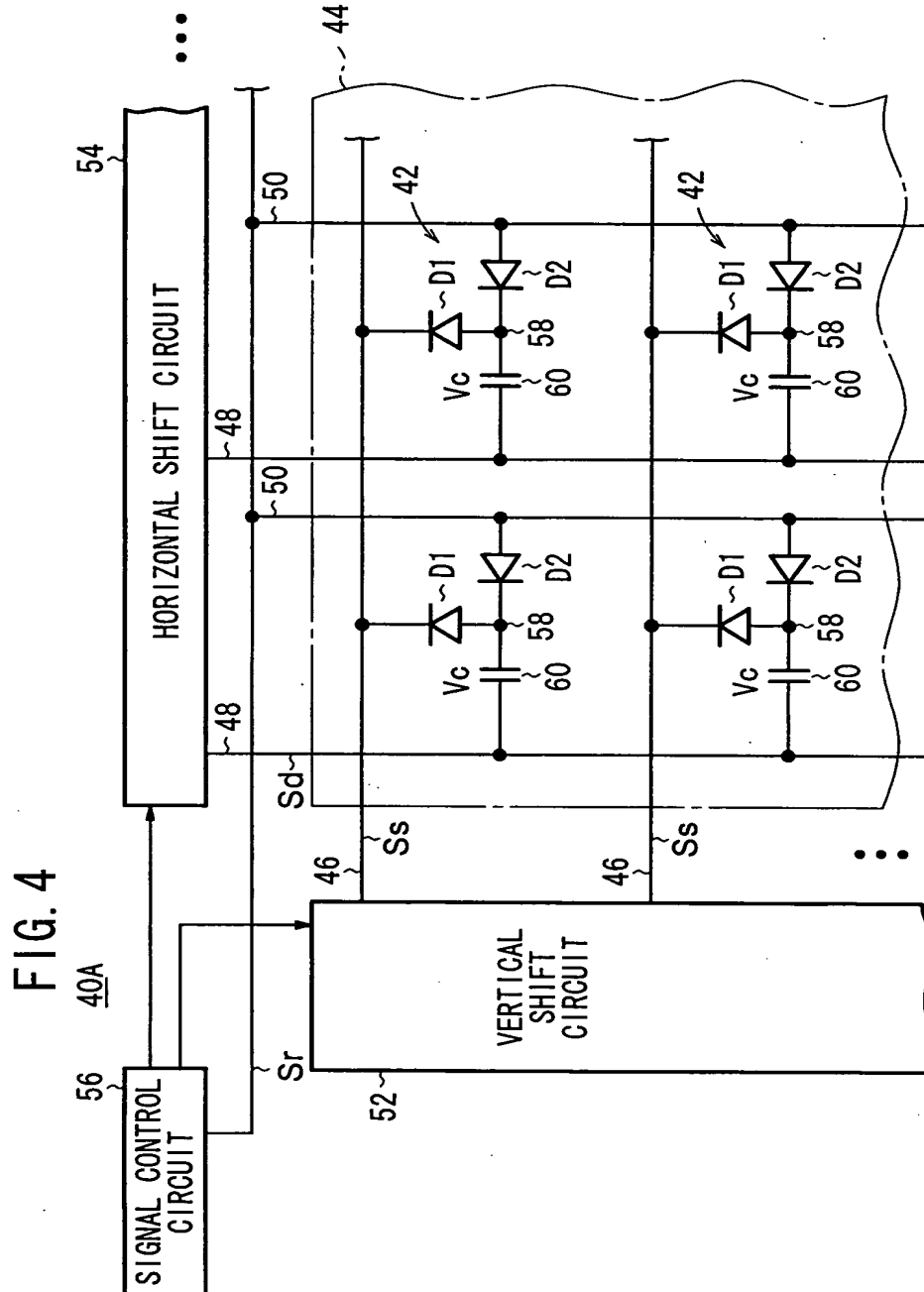


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FIG. 3

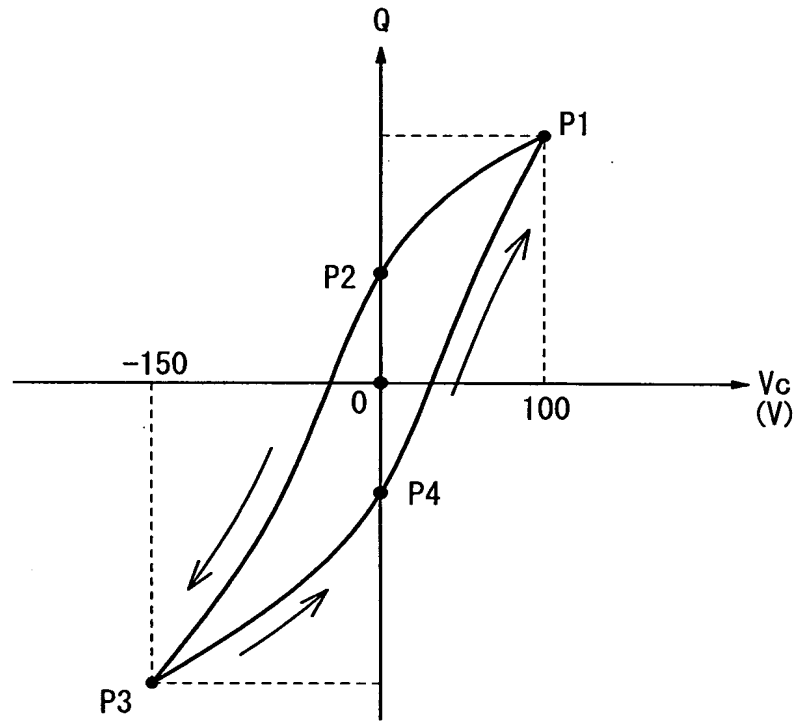
| OPERATING PERIOD | | |
|------------------|---------------|----------------------|
| FIRST PERIOD | SECOND PERIOD | THIRD PERIOD |
| $V1 < V3$ | $V2 > V3$ | $V2 \leq V3 \leq V1$ |
| $V1 \geq V2$ | | |

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FIG. 5



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FIG. 6

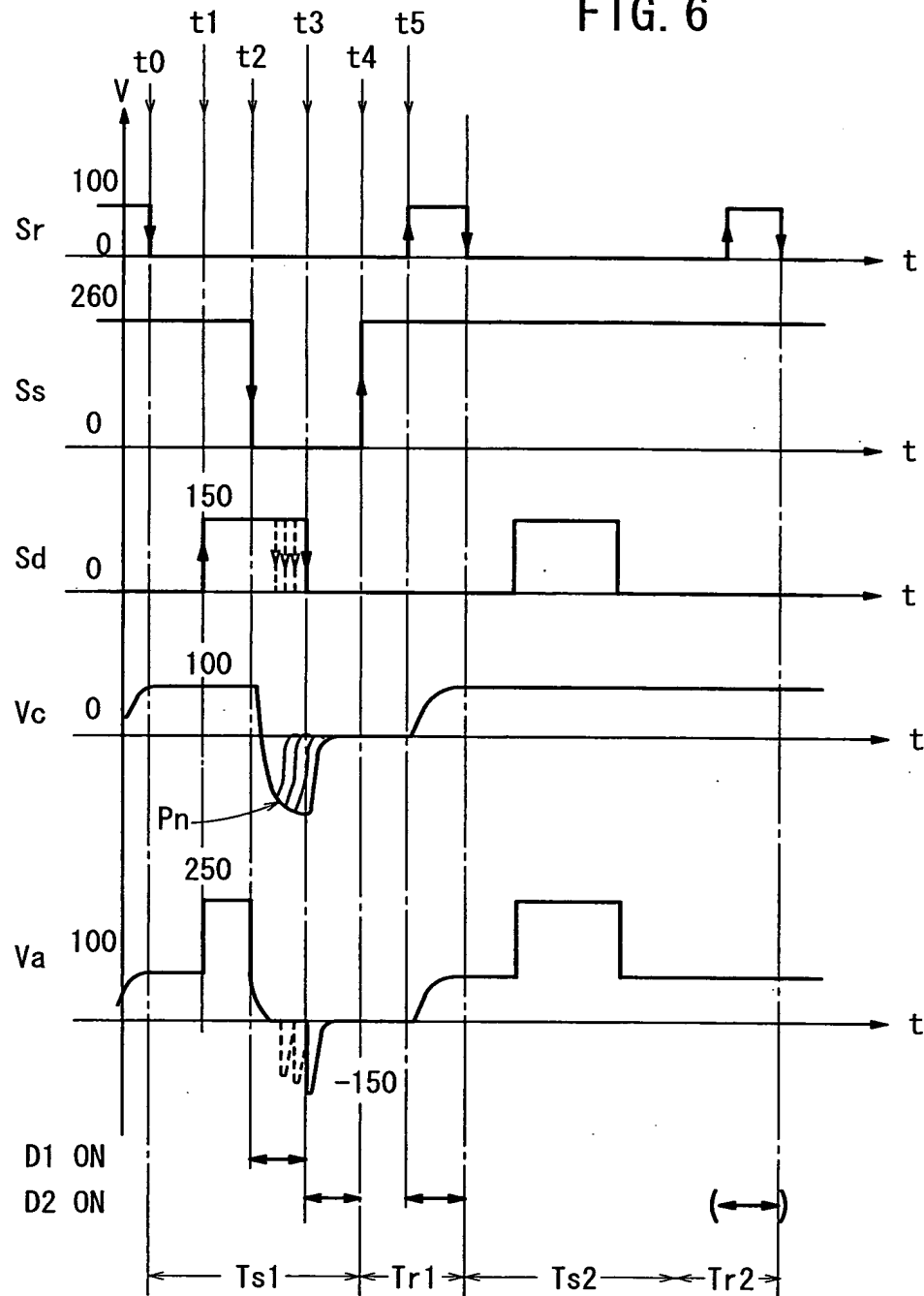
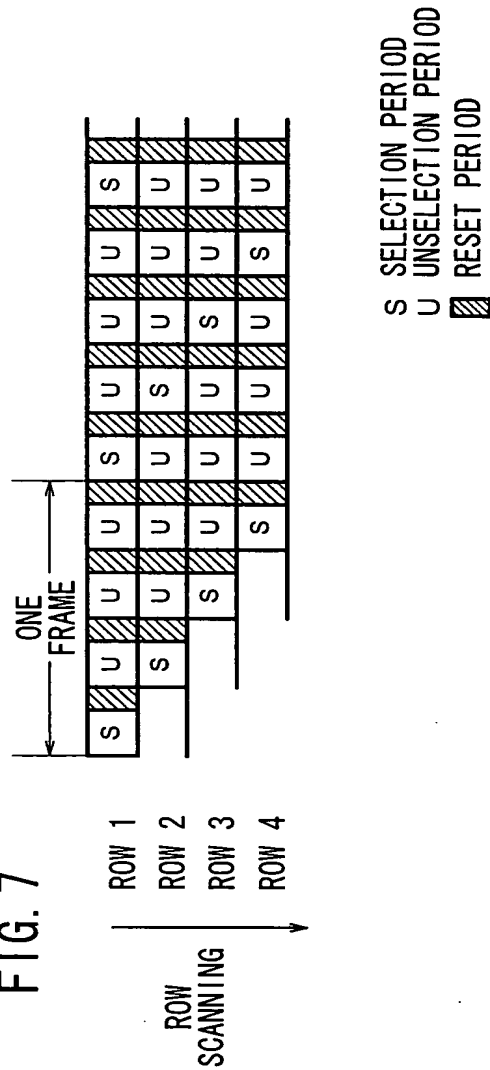


FIG. 7



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FIG. 8A

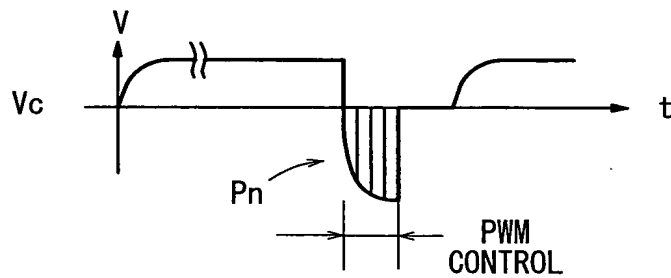


FIG. 8B

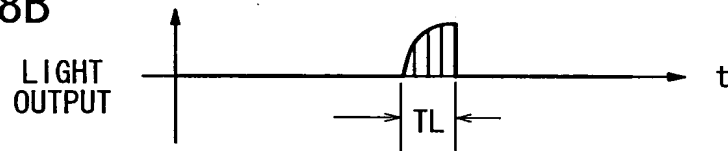
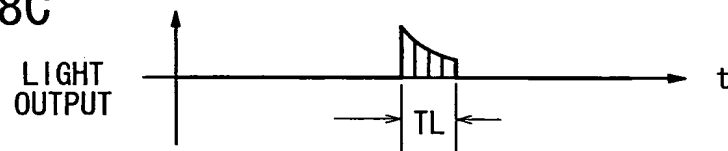


FIG. 8C



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FIG. 9A

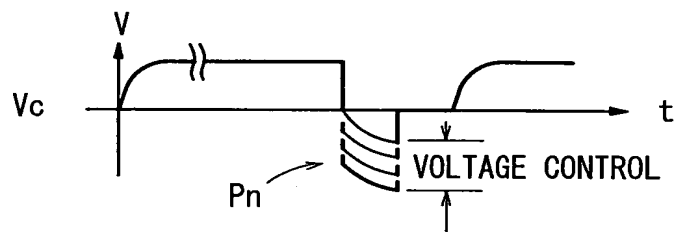


FIG. 9B

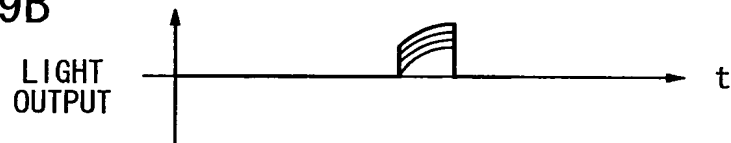
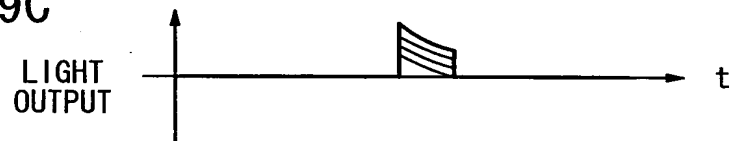
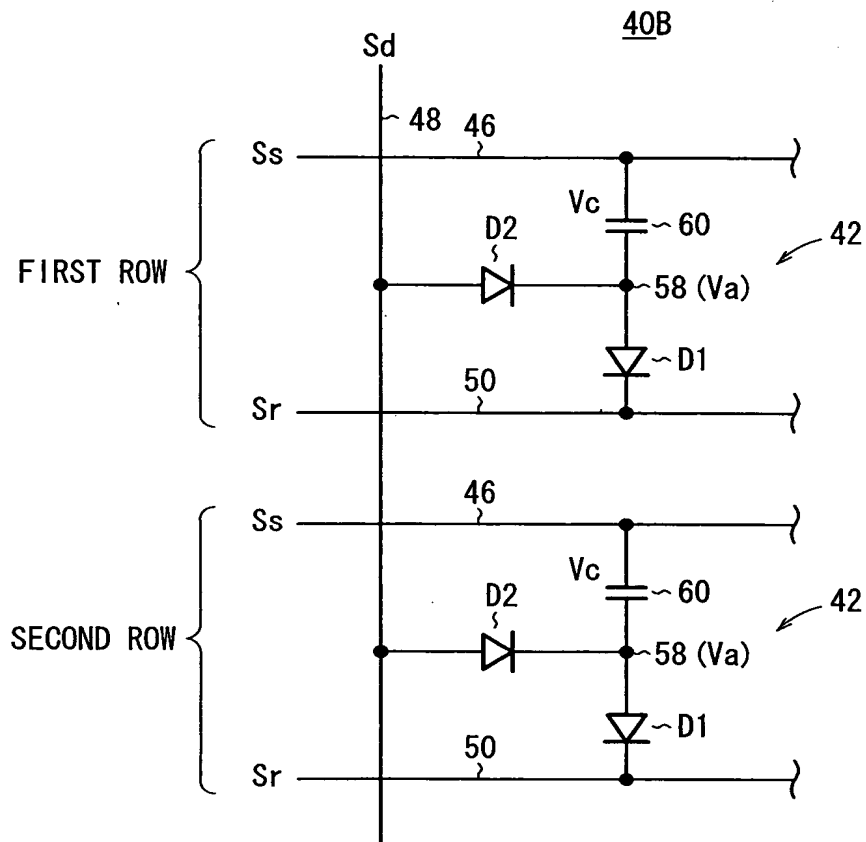


FIG. 9C



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FIG. 10



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FIG. 11A

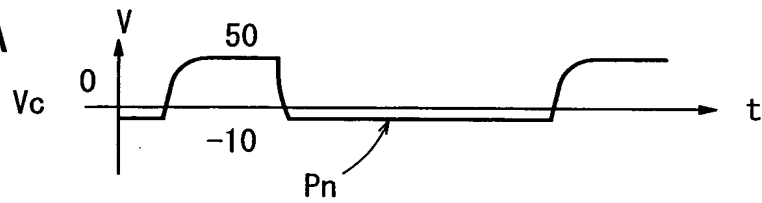
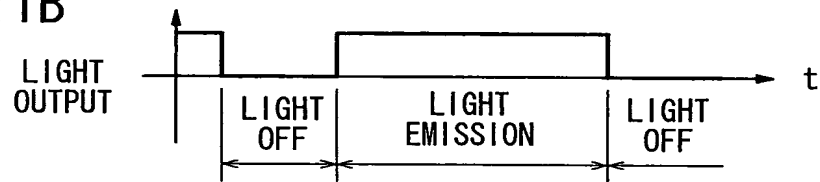


FIG. 11B



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FIG. 12

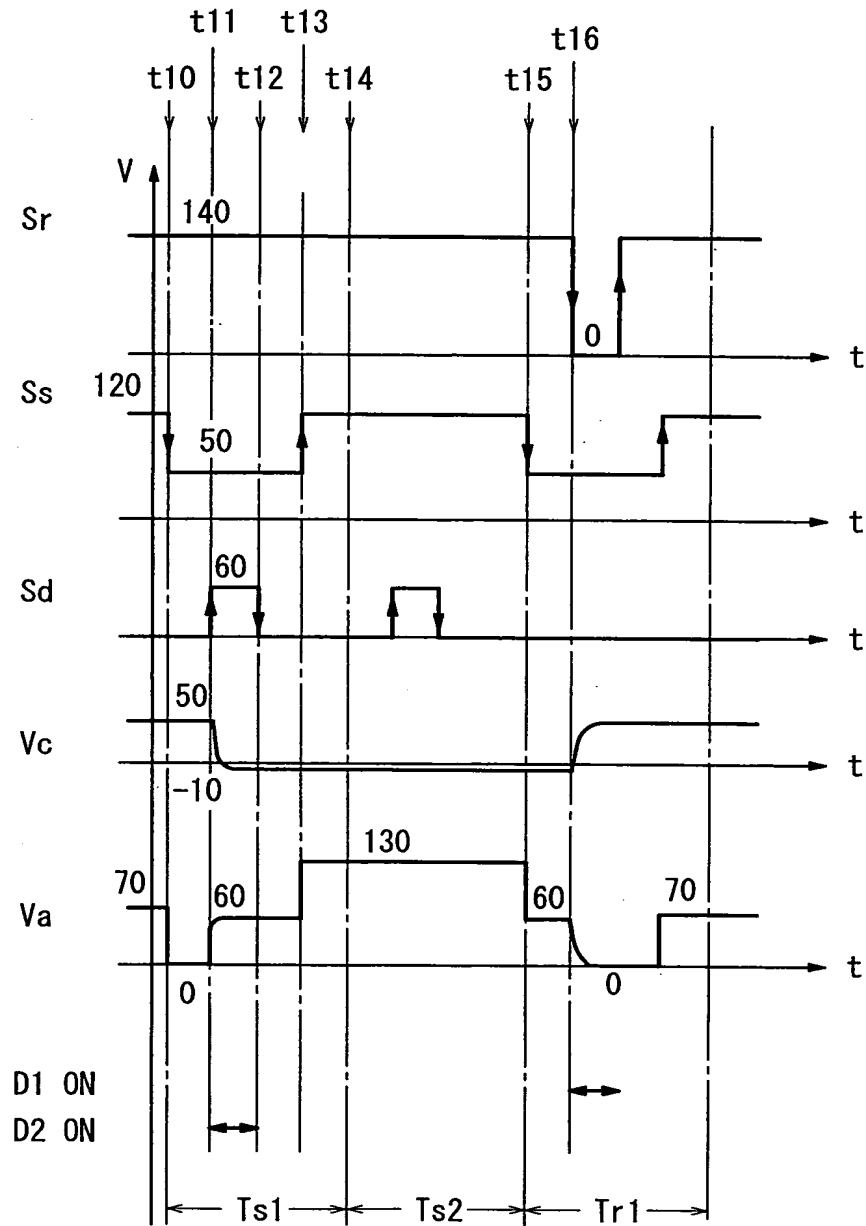


FIG. 13A

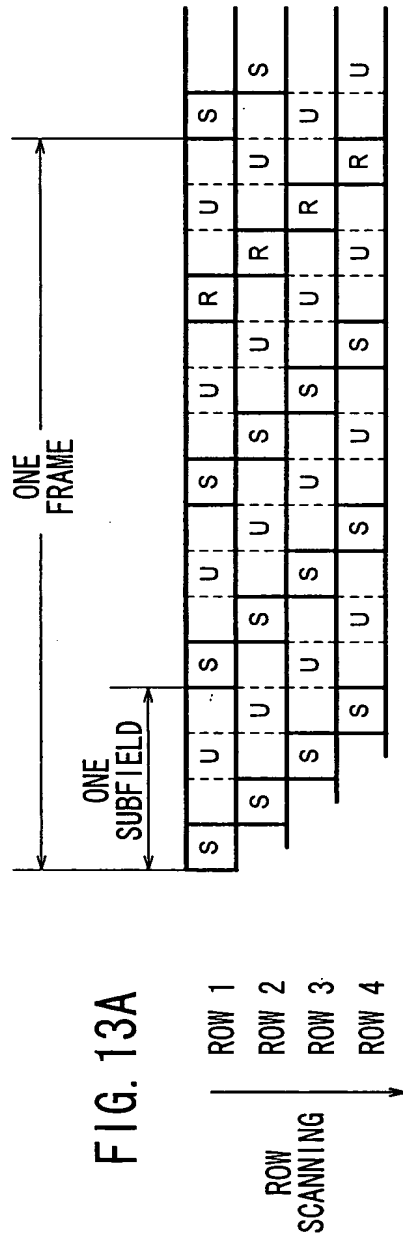
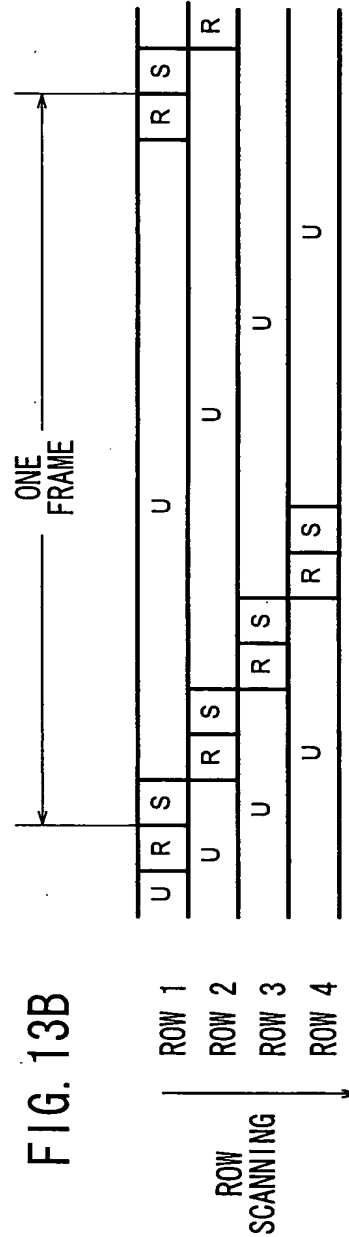


FIG. 13B



S :SELECTION PERIOD
U :UNSELECTION PERIOD
R :RESET PERIOD

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FIG. 14A

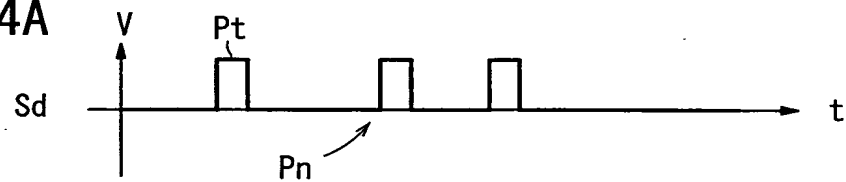


FIG. 14B

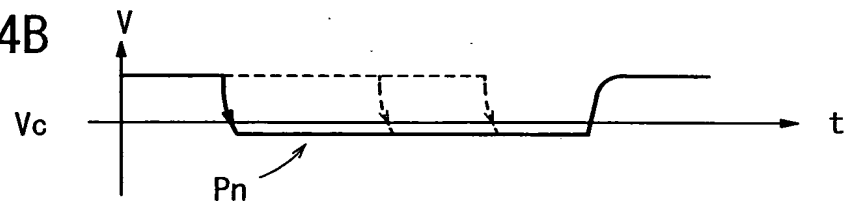
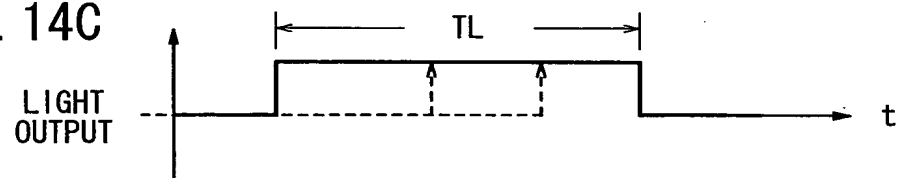


FIG. 14C



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FIG. 15A



FIG. 15B

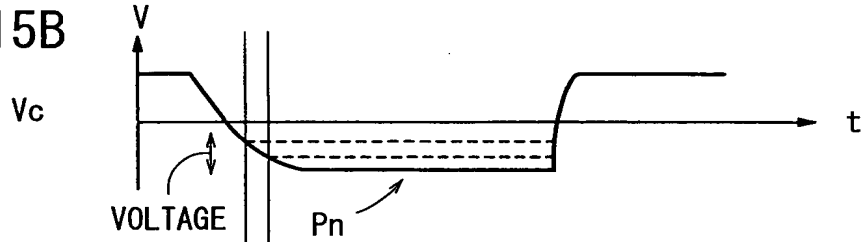
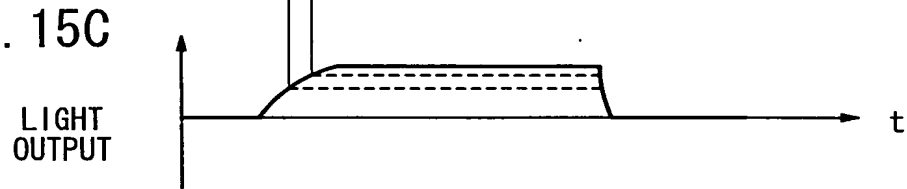


FIG. 15C



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FIG. 16A

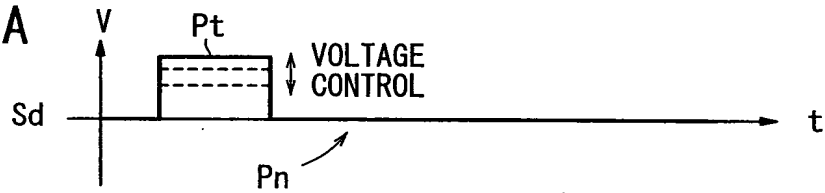


FIG. 16B

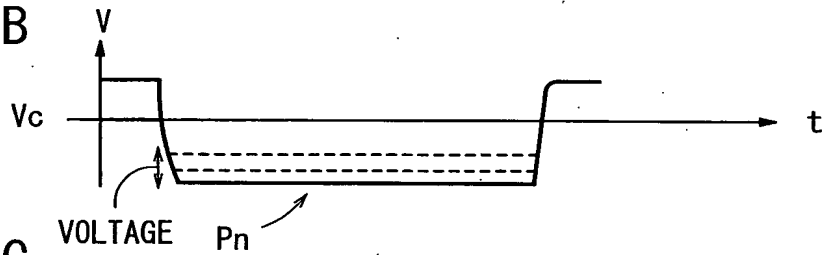
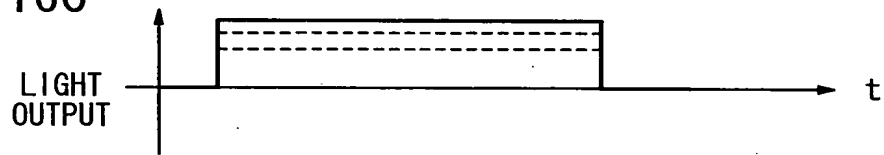
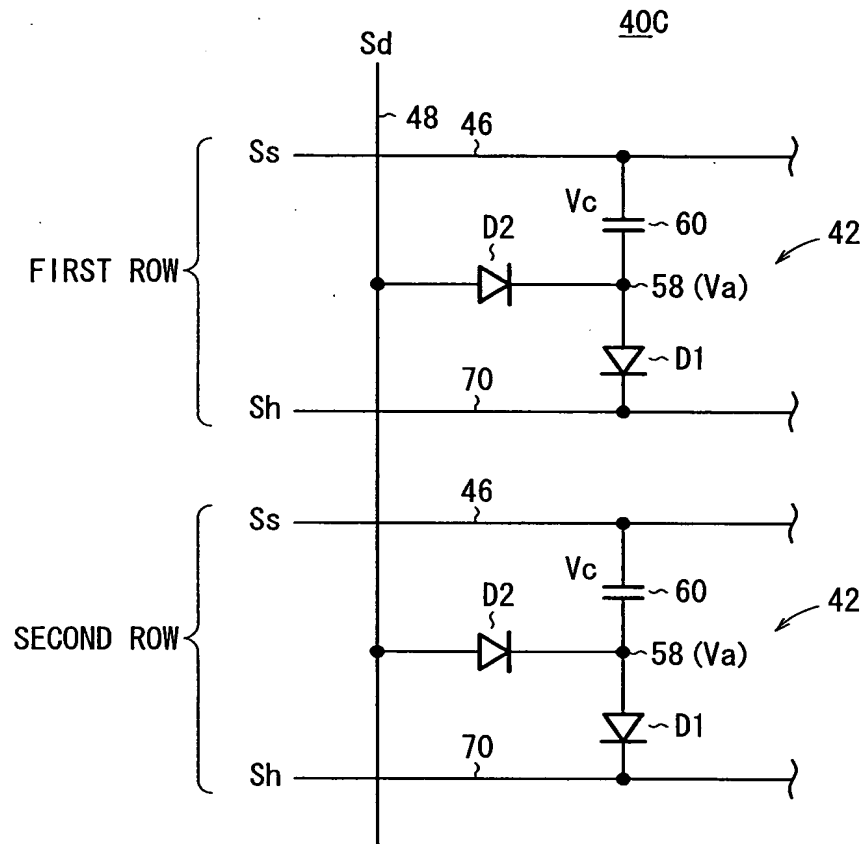


FIG. 16C



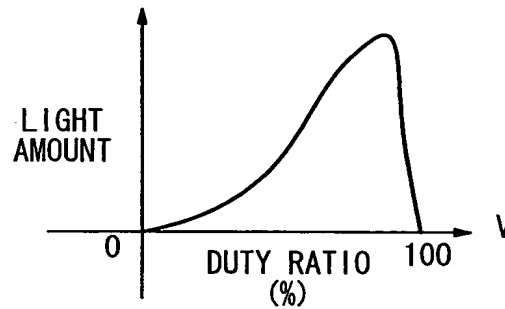
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FIG. 17



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FIG. 18



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FIG. 19A



FIG. 19B

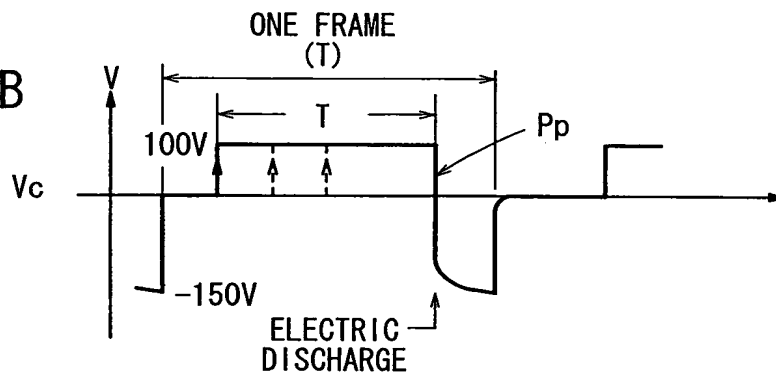
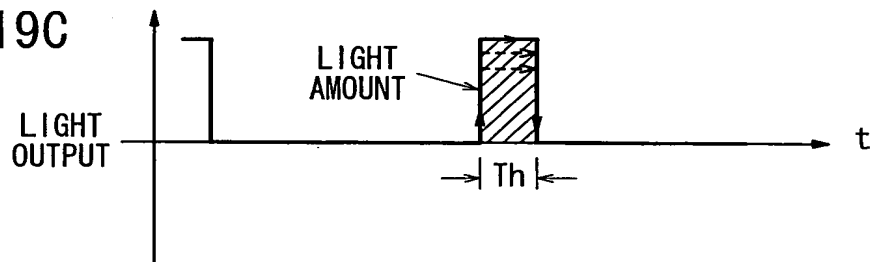
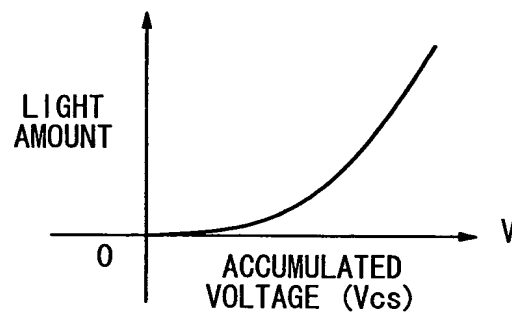


FIG. 19C



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FIG. 20



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FIG. 21A

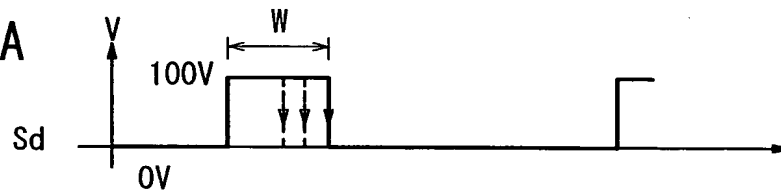


FIG. 21B

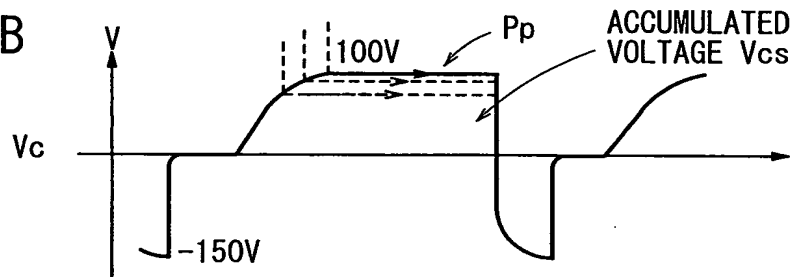
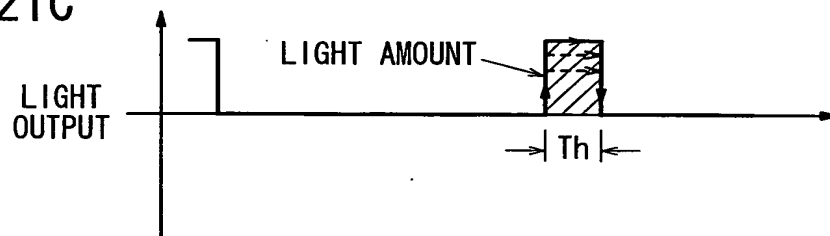


FIG. 21C



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FIG. 22A

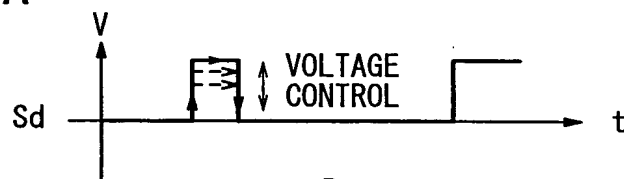


FIG. 22B

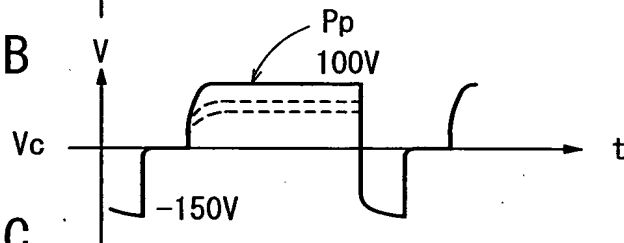
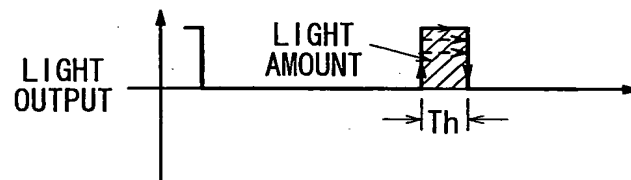
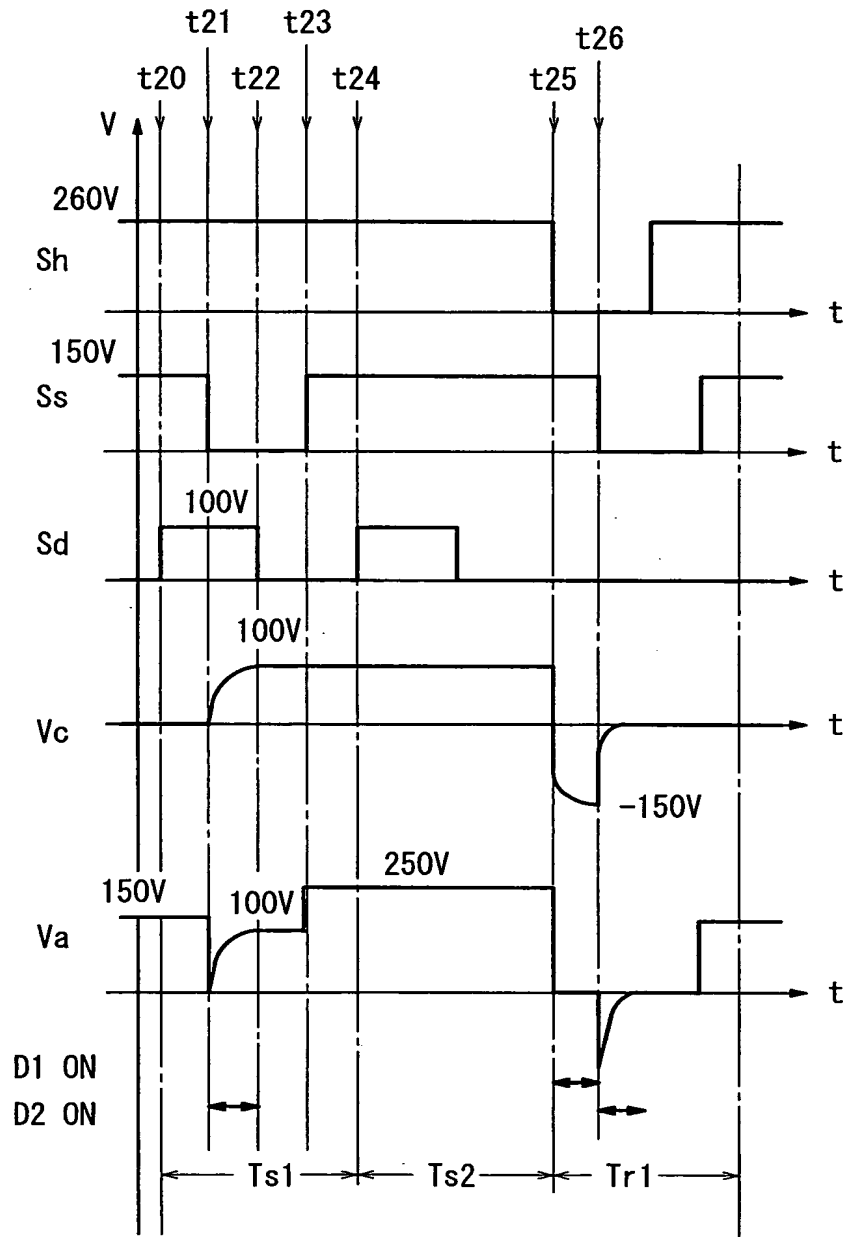


FIG. 22C



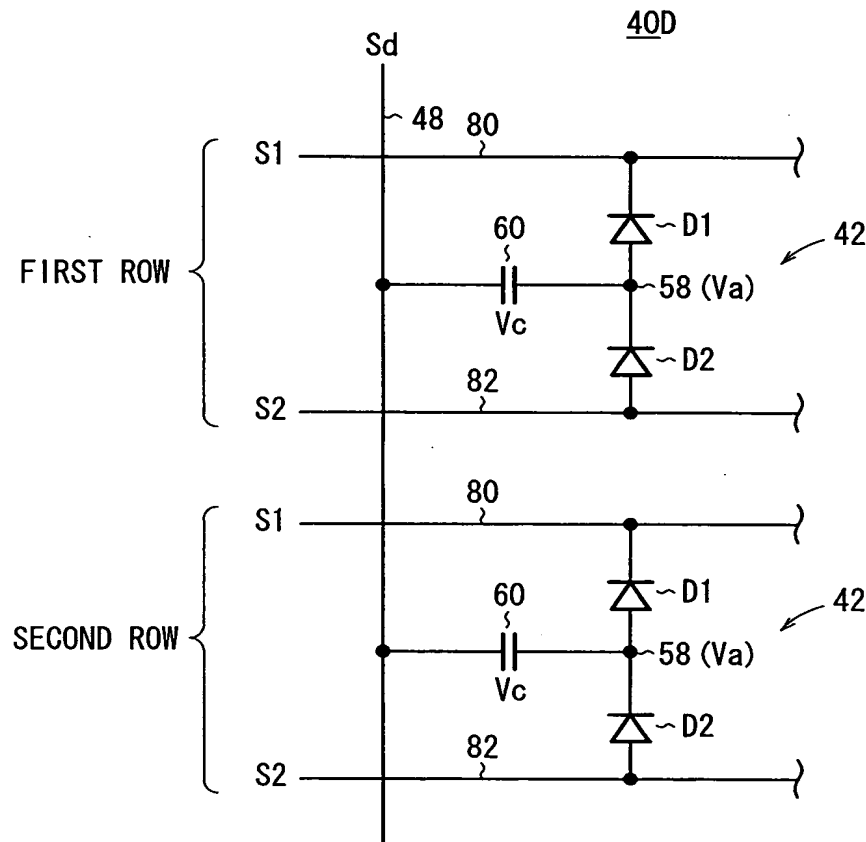
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FIG. 23



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FIG. 24



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FIG. 25

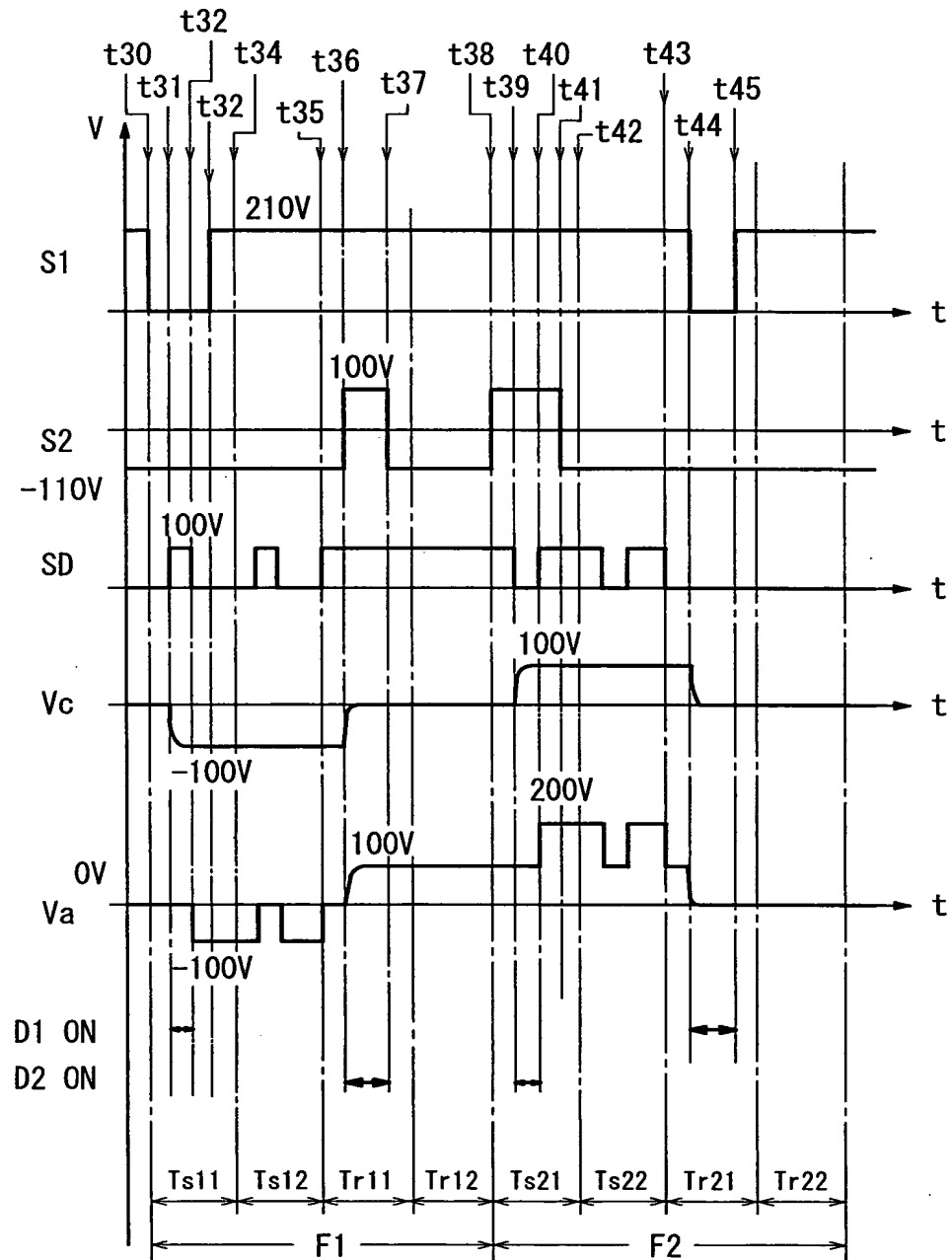


FIG. 26A

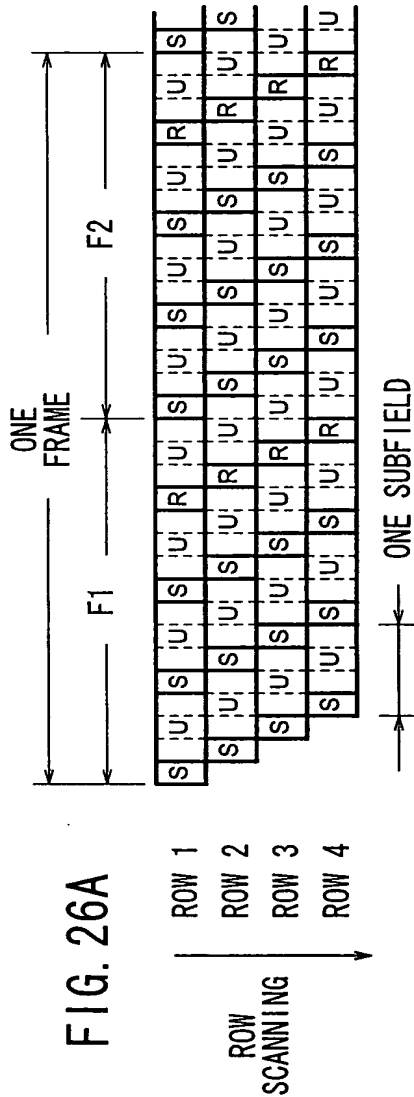
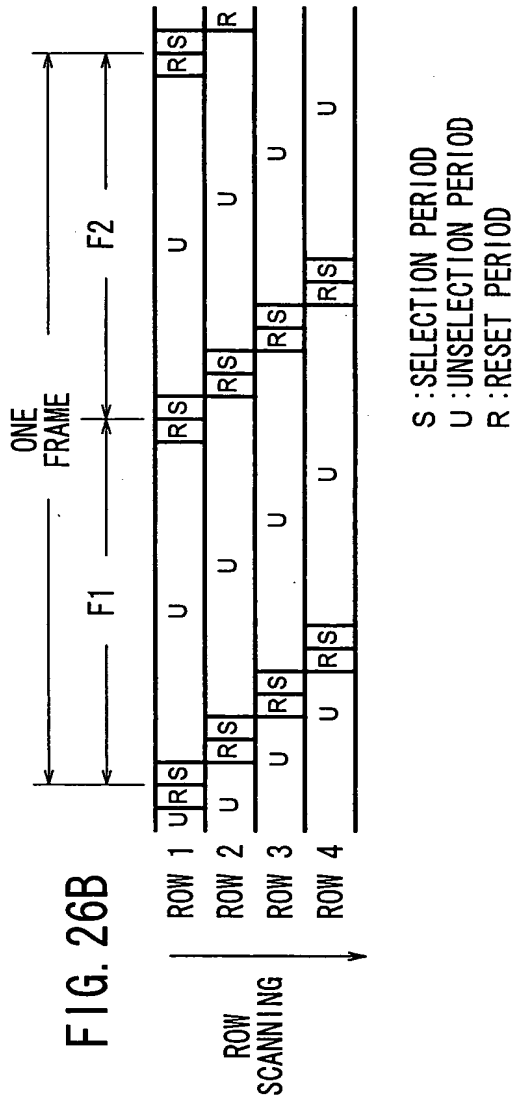


FIG. 26B



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FIG. 27A

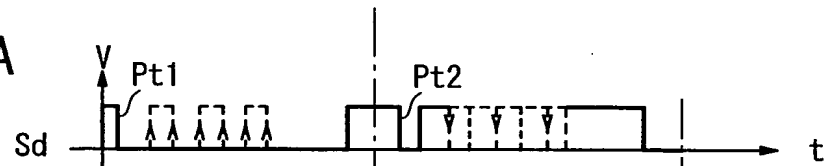


FIG. 27B

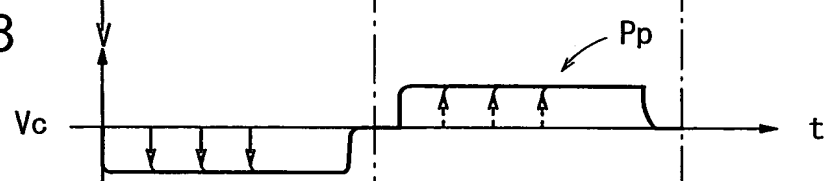
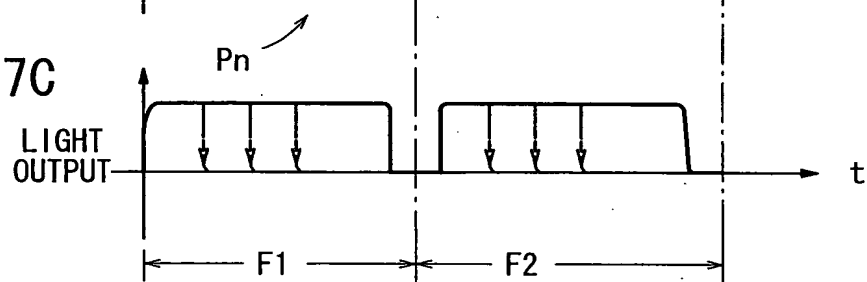


FIG. 27C



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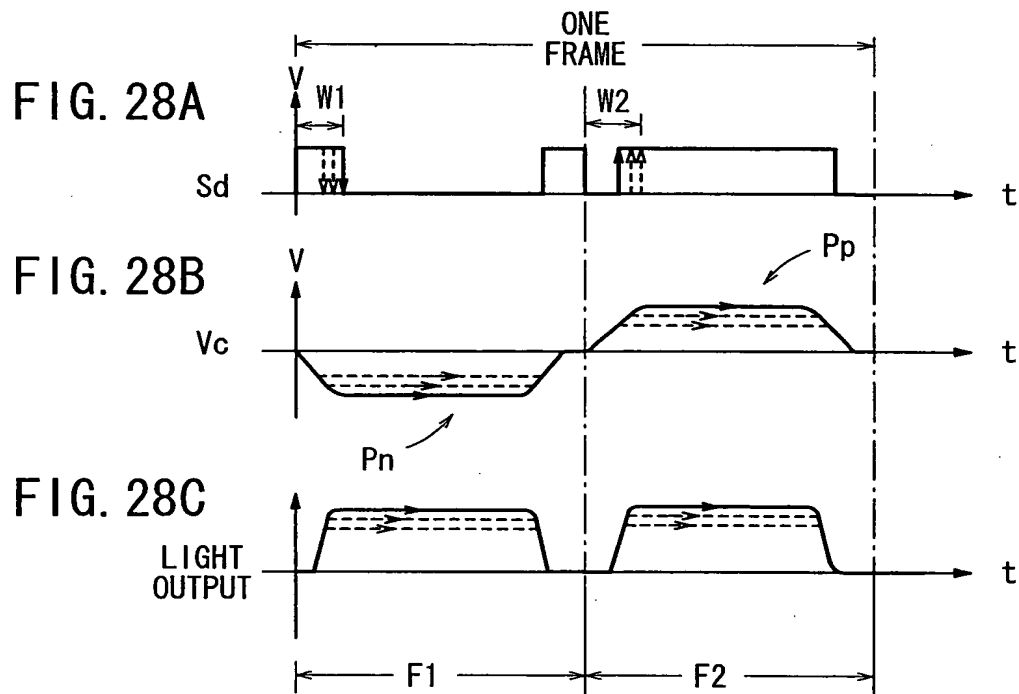
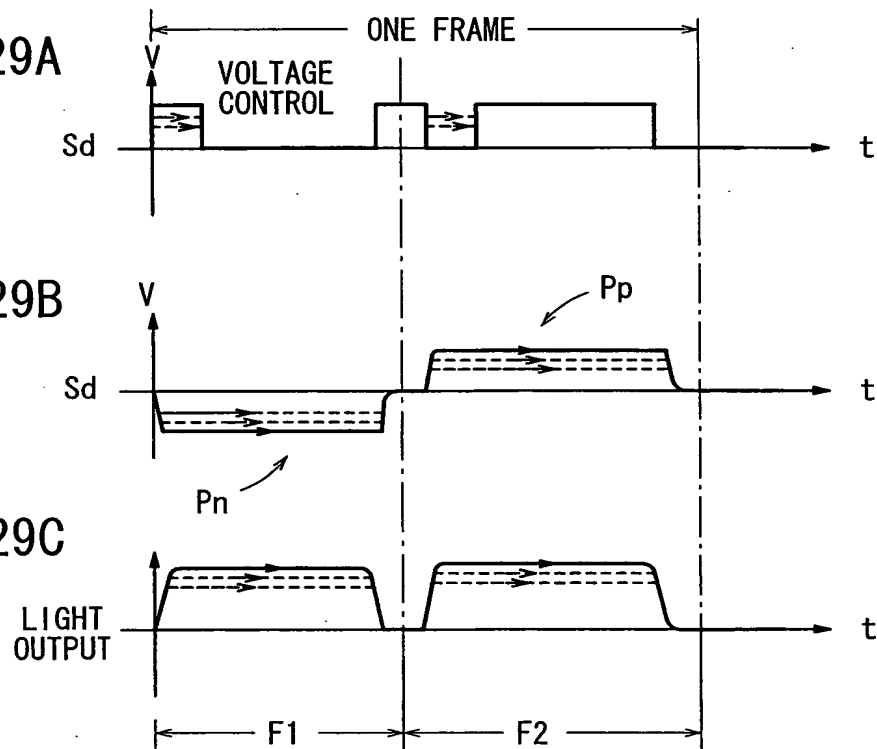
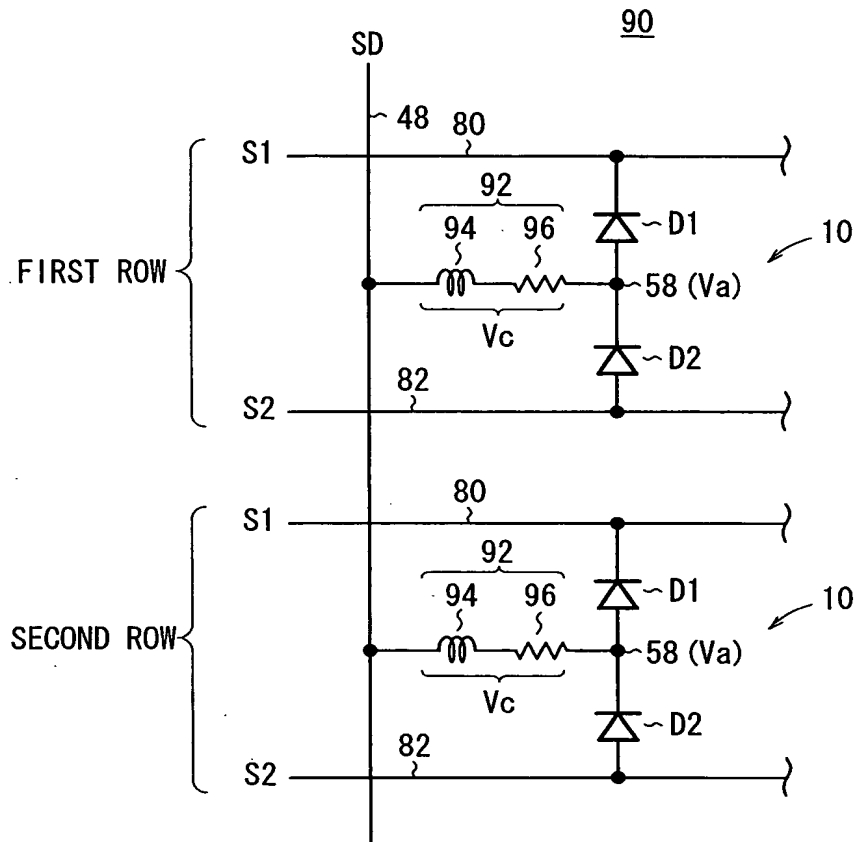


FIG. 29A



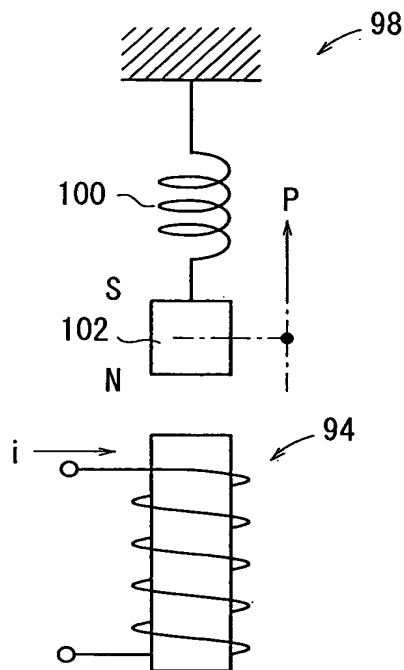
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FIG. 30



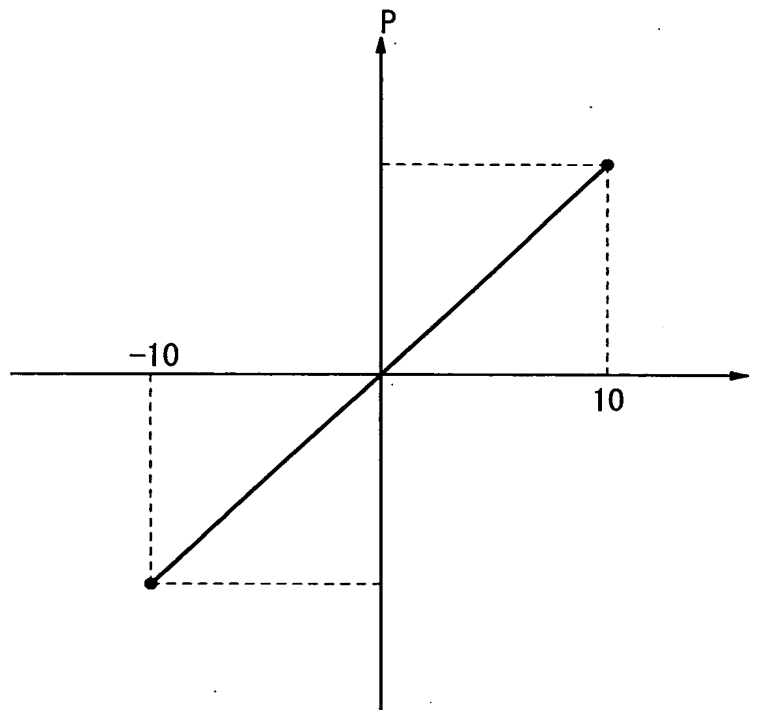
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FIG. 31



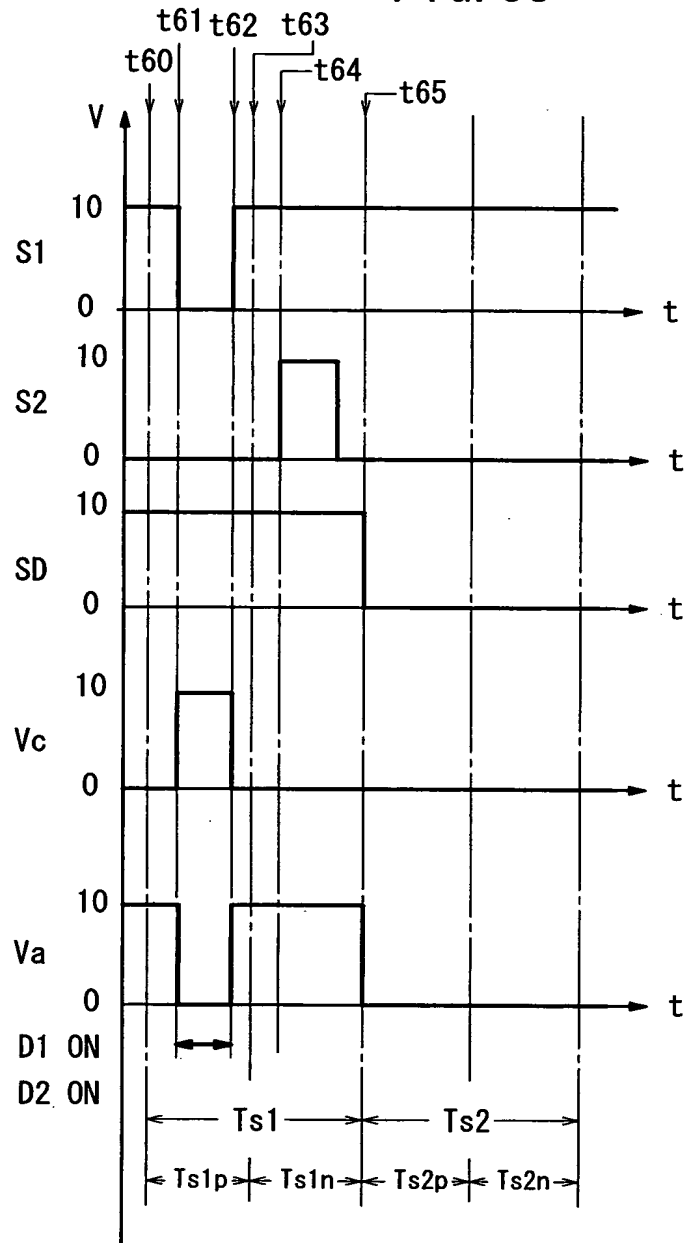
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FIG. 32



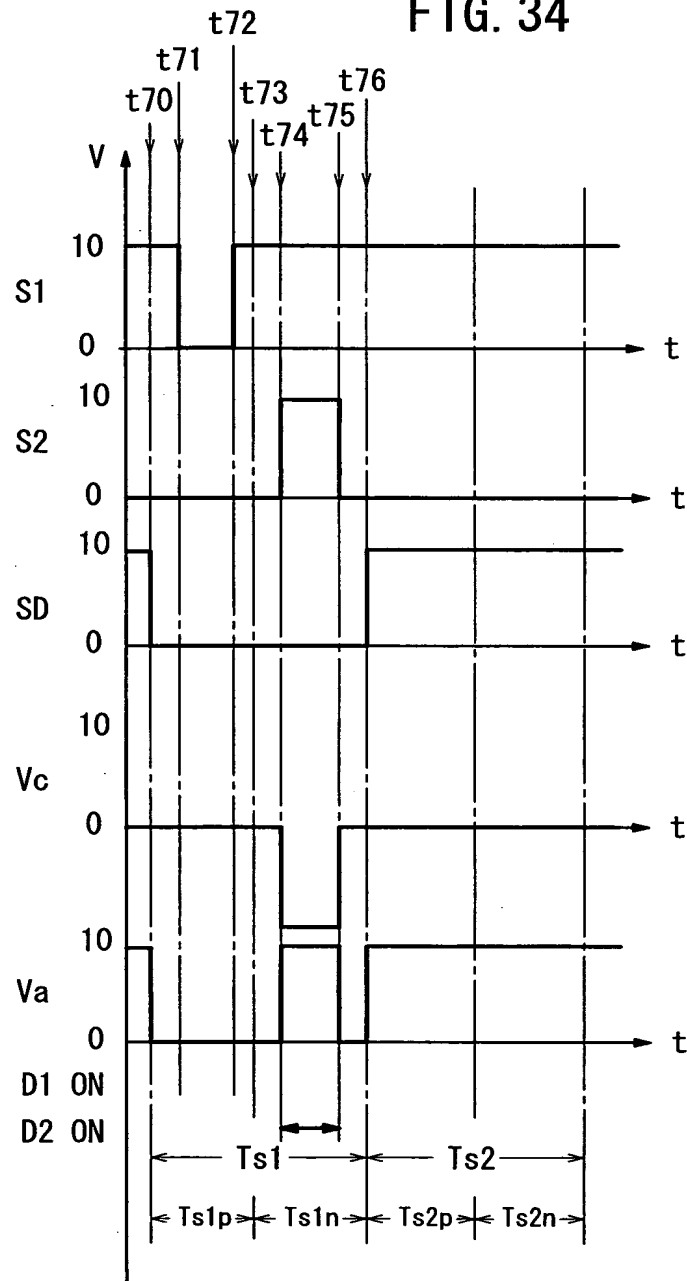
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FIG. 33



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FIG. 34



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FIG. 35A

ROW 1
 ROW 2
 ROW 3
 ROW 4
 ROW
 SCANNING

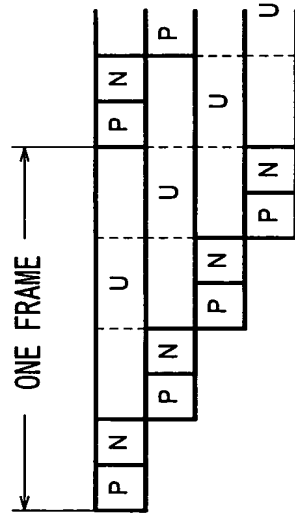
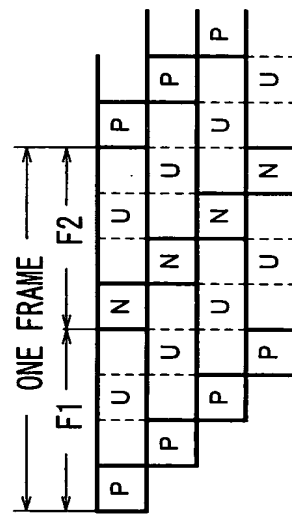


FIG. 35B

ROW 1
 ROW 2
 ROW 3
 ROW 4
 ROW
 SCANNING



P : POSITIVE DIRECTION PERIOD
 N : NEGATIVE DIRECTION PERIOD
 U : UNSELECTION PERIOD

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FIG. 36A

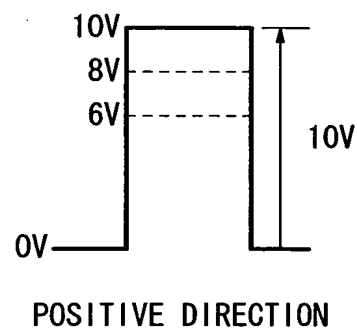
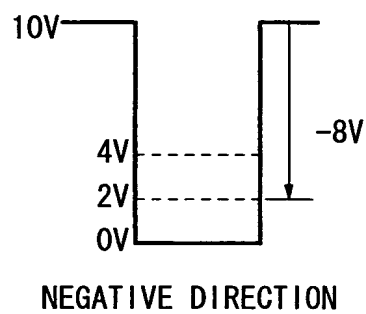
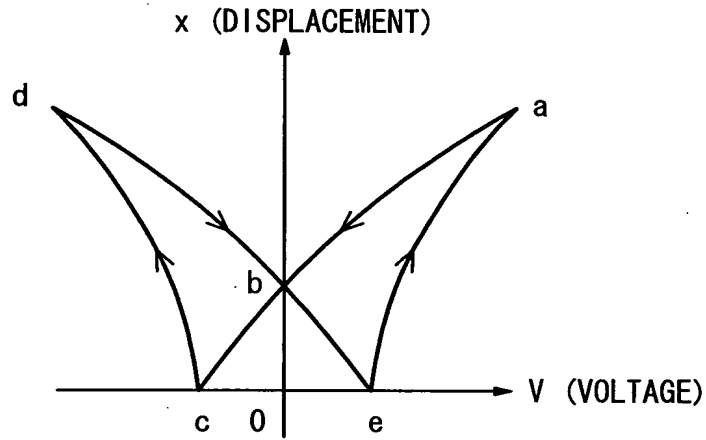


FIG. 36B



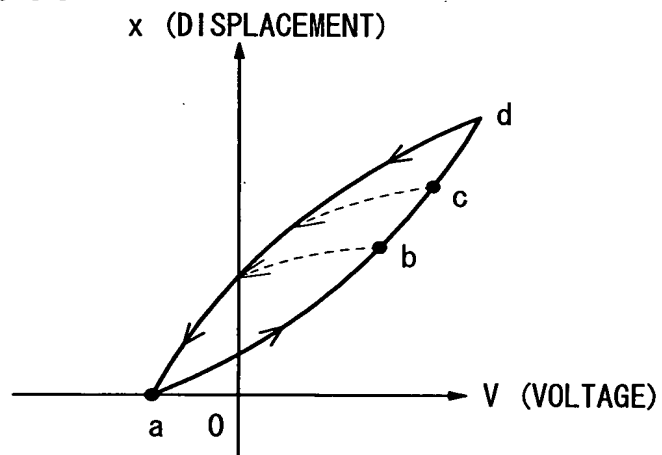
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FIG. 37



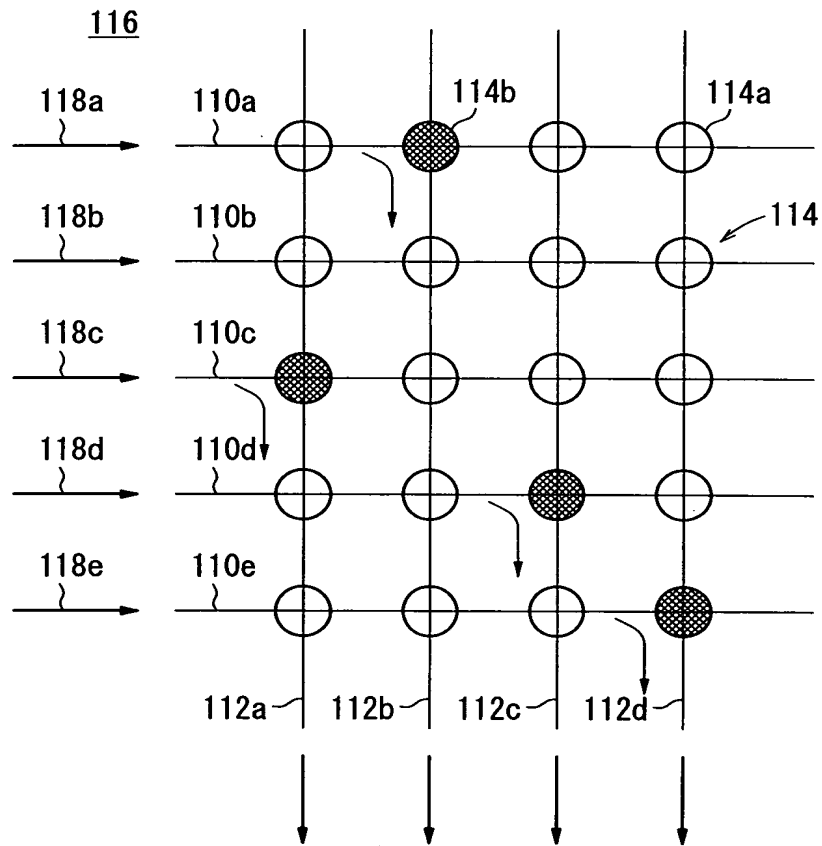
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FIG. 38



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FIG. 39



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FIG. 40A

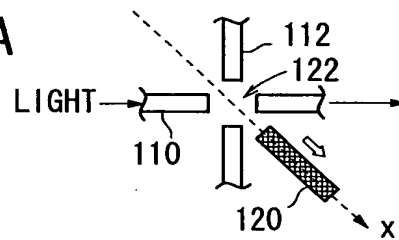
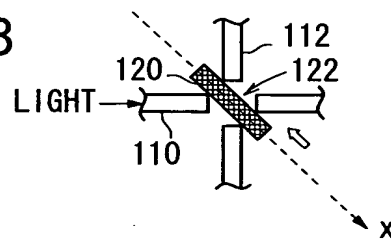
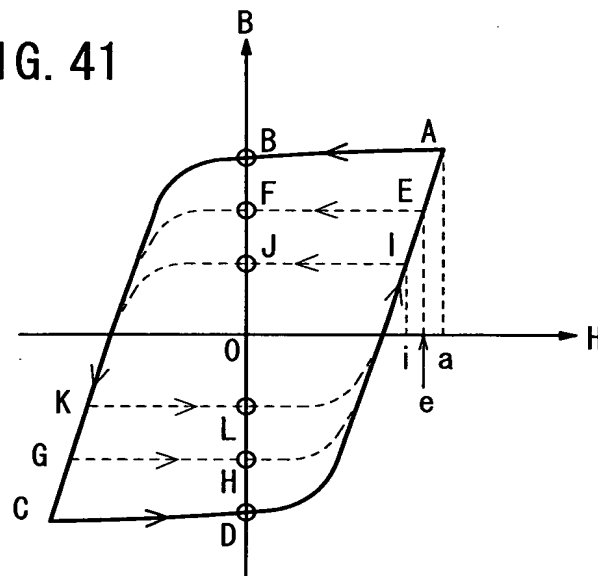


FIG. 40B



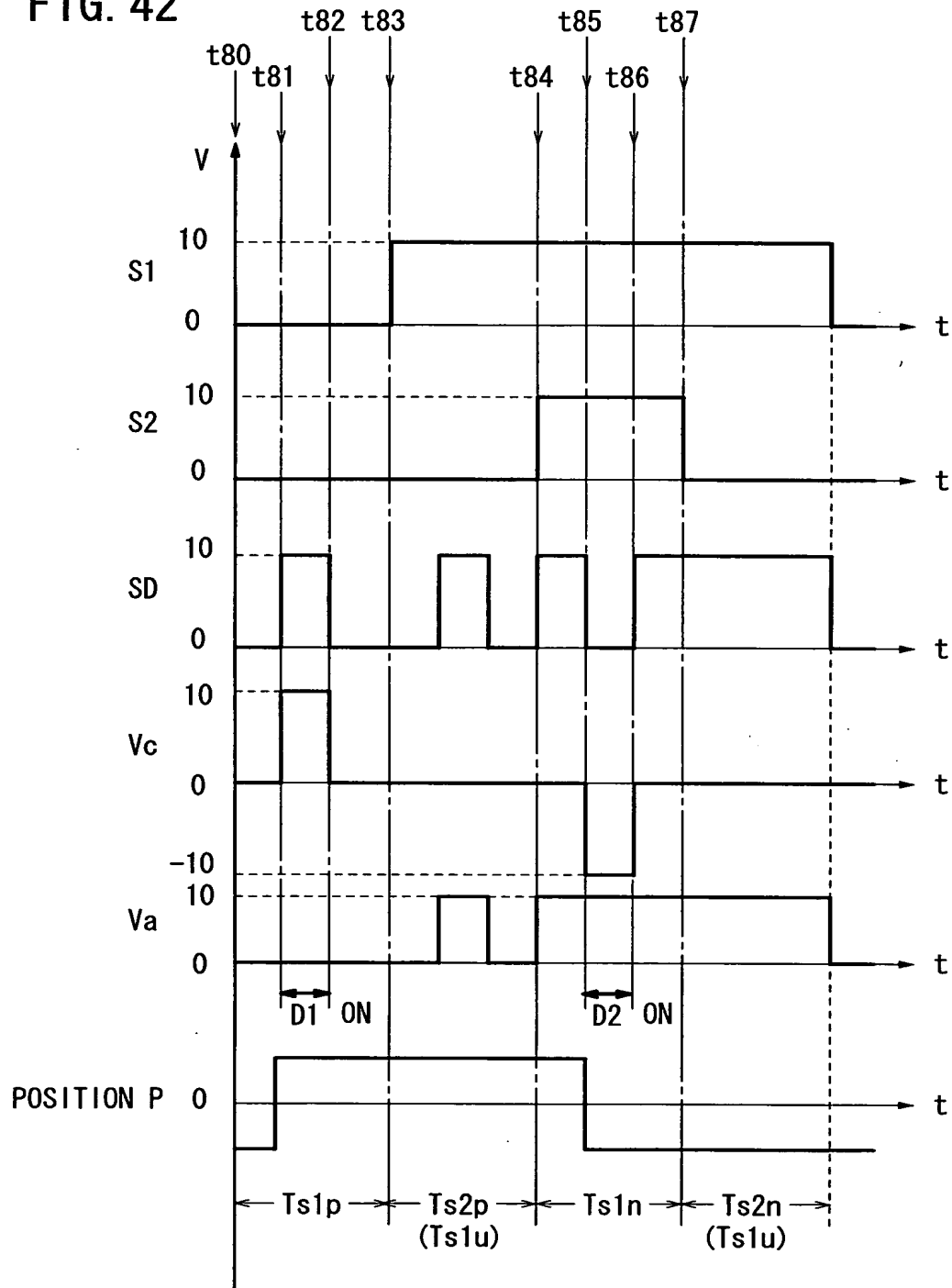
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FIG. 41



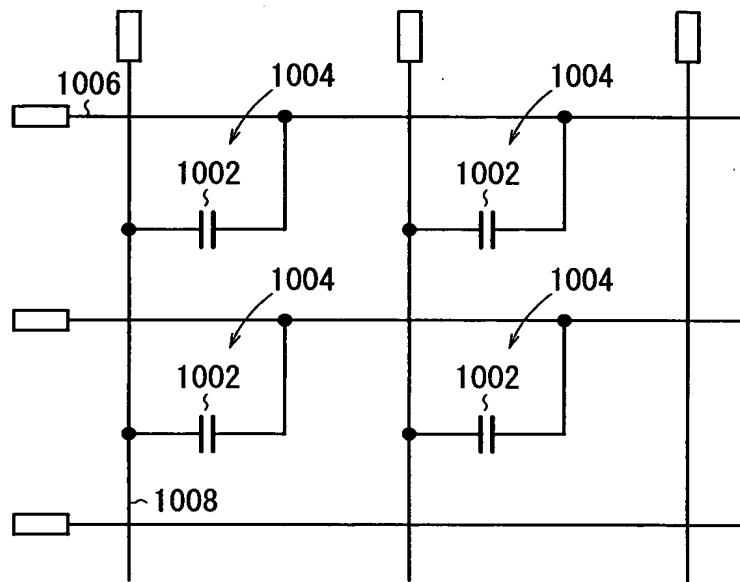
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FIG. 42



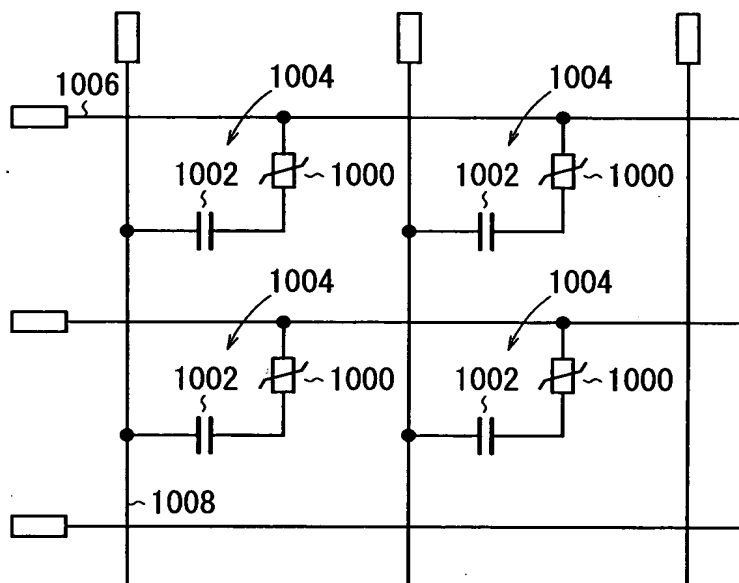
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FIG. 43



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FIG. 44



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FIG. 45

